

ISYS1055/1057 Tutorial/Lab Sheet

SQL Programming 3

Notes: It is assumed that you have downloaded OMDB.zip from Blackboard, and have built the OMDB database in your Oracle account using the .sql files extracted from OMDB.zip. (Refer to Question 2 of the tutorial sheet “The ER Modelling 2”.) If you have not done so, complete this step first before proceeding to the questions below.

Answer the following questions regarding the OMDB database using Oracle SQL*Plus. Where necessary you should run given queries in SQL*Plus as well as write your own SQL queries to answer questions.

1. How many movies are there in OMDB?
2. Are there any directors with the same surname? List the pairs of these directors. Each pair should represent distinct information.
3. List the genres of movies in alphabetical order.
4. Are there movies that receive more than one vote from members? List each of these movies, with total number of votes, and average score.
5. Output the details of actors who have not performed in any movies.
 - a. You must use (NOT) EXISTS in your query.
 - b. You must use (NOT) IN in your query.
6. List the actorID, firstname and lastname of Chinese actors in action movies.
 - a. Write one SQL query to complete the question.
 - b. Define a view

Action_Actors(actorID, firstname, lastname, birthplace)

listing action actors. You then query the view to answer question.
7. Explain the following query in English.

```
select movieinfo.mvid
from (((movieinfo join cast on cast.mvid=movieinfo.mvid)
      join actor on actor.actorid=cast.actorid )
      join direct on direct.mvid=movieinfo.mvid)
      join director on director.directorID=direct.directorID
where actor.lastname=director.lastname
minus
select movieinfo.mvid
from (((movieinfo join cast on cast.mvid=movieinfo.mvid)
      join actor on actor.actorid=cast.actorid )
      join direct on direct.mvid=movieinfo.mvid)
      join director on director.directorID=direct.directorID
where actor.lastname!=director.lastname;
```